

Hardware performance sheet (HPS) – 300 series

1 General

This document is worked out according to the European Standard:

- EN 16035:2012

The hardware performance sheet (HPS) is an identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire-resisting and/or smoke control doorsets and/or openable windows.

The HPS together with mentioned test reports in Table A.3 shall be a part of the technical documentation delivered to a Notified Body for an Extended application report, prior to CE-marking.

2 HPS

2.1 Building hardware identification

Table 2.1 Basic information about the building hardware

Position	Declaration	Required product information	Note/additional information
1	Manufacturer	ISAB - Instrumentfirman Sjöholm AB	See 5.2.1
2	Manufacturer's product reference as shown in fire test evidence	Robust series 300: Robust Type 322 (without latch contact) Robust Type 332 (with latch contact) Robust Type 334 (with latch- and anchor contact)	See 5.2.2

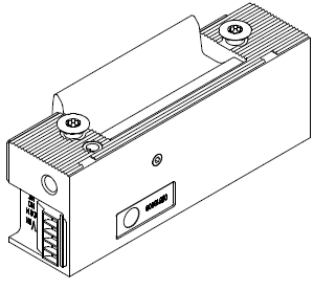
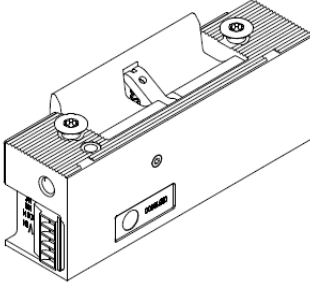
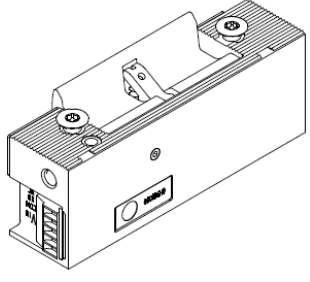
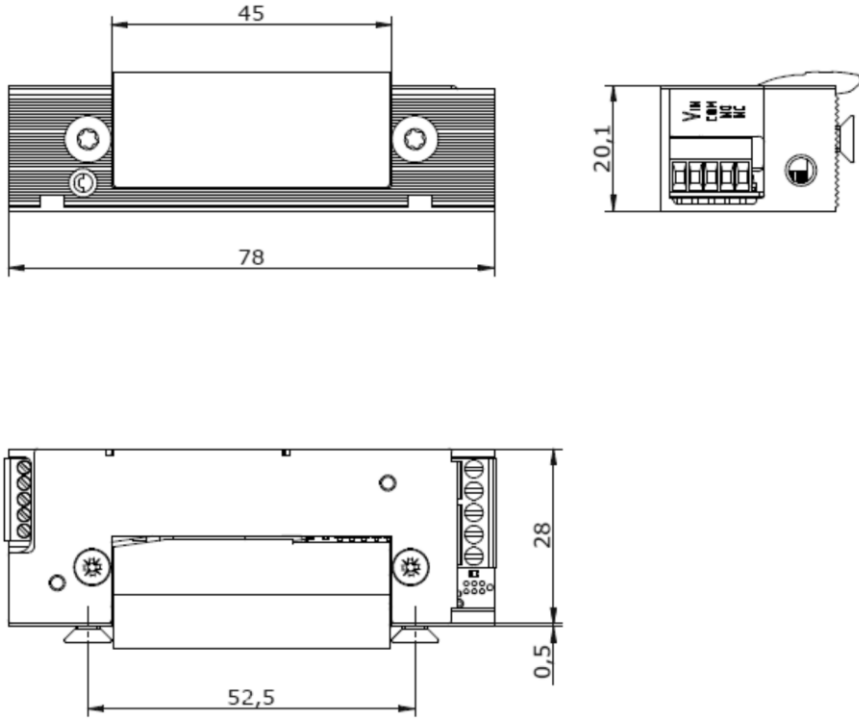
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Electric strike			
			
Robust Type 322		Robust Type 332	
			
		Robust Type 334	
3	Type of building hardware	Electromechanically operated strike plates	See 5.2.3
4	Relevant EN standard	EN 14846:2008	See 5.2.4
5	Classification (in accordance with relevant hardware product standard)	Classification: Grade F	Characteristics: Suitability for use on fire/ smoke doors
6	Main dimensions	Dimensions: See figure 1 below.	See 5.2.6
			
Figure 1			
7	Remarks	Difference between models: Robust Type 322 (without latch contact) Robust Type 332 (with latch contact) Robust Type 334 (with latch and anchor contact)	See 5.2.7

2.2 Test evidence

Table 2.2 information about the test evidence of the building hardware described in Table 2.1

1	Material of doorset and/or openable window	<input type="checkbox"/> Steel doorset and/or openable window
		<input type="checkbox"/> Timber doorset and/or openable window
		<input type="checkbox"/> Aluminium doorset and/or openable window
		<input checked="" type="checkbox"/> Glazed steel doorset
2	Mounting of building hardware	<input type="checkbox"/> Surface mounted, exposed to fire
		<input type="checkbox"/> Surface mounted, not exposed to fire
		<input checked="" type="checkbox"/> Mortice mounted, fire on both sides
3	Type of doorset and/or openable window	<input checked="" type="checkbox"/> Hinged
		<input type="checkbox"/> Pivoted
		<input type="checkbox"/> Sliding
		<input checked="" type="checkbox"/> Single leaf doorset
		<input type="checkbox"/> Double leaf doorset
		<input type="checkbox"/> Primary (active) leaf
		<input type="checkbox"/> Secondary (inactive) leaf
		<input type="checkbox"/> Other type

2.3 Performance level(s)

Table 2.3 Performance level(s)

	Performance	Fire resisting and/or smoke control doorset and/or openable window test evidence	Building hardware test evidence ^a	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method:	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2 ^b	<input type="checkbox"/> EN 1634-3	<input type="checkbox"/> EN 1191 <input type="checkbox"/> EN 12605
2	Test report no:	O100402-126393-1 dated 2021-04-14			
3	Test report issued by:	RISE Research Institute of Sweden AB			
4	Classification:	EN 13501-2: E: 120 min		EN 13501-2: <input type="checkbox"/> S _a > <input type="checkbox"/> S ₂₀₀ >	EN 13501-2: <input type="checkbox"/> C0 <input type="checkbox"/> C1 <input type="checkbox"/> C2 <input type="checkbox"/> C3 <input type="checkbox"/> C4 <input type="checkbox"/> C5

5a	Width of primary leaf:	980 mm			
5b	Width of secondary leaf:	-			
6	Door leaf height:	2110 mm			
7	Door leaf thickness:	50 mm			
8a	Mass of primary leaf:	Not declared			
8b	Mass of secondary leaf:	-			
9	Restrictions ^c : -				
10	Installation instructions ^d : -				
11	Certification body: RISE Research Institutes of Sweden AB				
12	Prepared by: RISE Research Institutes of Sweden AB				
13	Date: May 25, 2021				

^a The dimensions shown in this column relate to the associated construction relevant to the particular test.

^b Results from a test by EN 1634-2 show information about the hardware. The test specimen of EN 1634-2 does not represent a doorset as defined in EN 16034.

^c E.g. limitations of application.

^d E.g. reference to the building hardware manufacturer's installation instructions.

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Performed by

Examined by

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